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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/595,979	05/23/2006	Taichi Inoue	06920/0204423-US0	1249
7278	7590	05/19/2008		
DARBY & DARBY P.C.			EXAMINER	
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Church Street Station				
New York, NY 10008-0770			ART UNIT	PAPER NUMBER
			2891	
			MAIL DATE	DELIVERY MODE
			05/19/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/595,979	INOUE ET AL.	
	Examiner	Art Unit	
	Luan Thai	2891	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on ____.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-8 is/are pending in the application.
 - 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) Claim(s) ____ is/are allowed.
- 6) Claim(s) 1-8 is/are rejected.
- 7) Claim(s) ____ is/are objected to.
- 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on ____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. ____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 5/23/06 & 6/12/06.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) Notice of Informal Patent Application
- 6) Other: ____.

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

2. The Information disclosure Statements filed on 5/23/06 and 6/12/06 have been considered.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-5 and 8 are rejected under 35 U.S.C. 102(e) as being anticipated by Aoyama et al.

(7,278,203).

Regarding claims 1-5 and 8, Aoyama et al. (see specifically figures 1-11, Col. 4, line 35 to Col. 10, line 45) disclose a method of manufacturing an IC chip packaged device in which a film substrate (4) that has antenna circuits (41) formed at a fixed spacing on one surface thereof is transported at a constant speed by a transporting section (e.g., rollers 51-54 and carrier 5), and IC chips (2), that are from chip supply section (3/30), are moved along the film substrate and are

mounted at the fixed spacing on the film substrate by chip mounting section (6) provided with a synchronized rollers (10) (See Fig. 1) so as to be connected to the antenna circuits (41) on the film substrate (4) (see Figs. 2A-2B), wherein an image of the IC chip is picked up by camera (103/106), a correction amount for correcting the position where the IC chip is to be mounted is then calculated from the picked up image, and the position where the IC chip is to be mounted is then corrected (Col. 5, lines 26+). Aoyama et al. further disclose the synchronized roller section being provided with a roller (10) that axially rotates around an axis of rotation and mounts the IC chips on the film substrate, and protruding portions (Q1-Q6) that hold the IC chips at a distal end portion (71-76) are formed on a circumferential surface of the roller (10). Since there are two chip mounting section (6), each of which includes three rollers (10) with protruding portions to hold the IC chips and mount the chips on the antenna circuits, at least one of which is consider as a backup synchronized roller section of the system.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 6-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Aoyama et al. (7,278,203) in view of Imanishi et al. (6,332,268).

Regarding claims 6-7, Aoyama et al. discloses the claimed invention as detailed above except for a surface supporting section having a suction mechanism that suctions the film substrate.

Imanishi et al. while related to a similar apparatus for manufacturing an IC chip packaged device teach (See specifically Fig. 3) the transporting section having a surface supporting section (61/8) that supports on its surface the film substrate (5) from a position in front of a mounting position (7) where the IC chip (2) is mounted by the IC chip mounting section (7) to a position behind the mounting position, wherein the surface supporting section (61/8) having a suction mechanism that suctions the film substrate (5) for performing the process of transferring the IC chip (2) to the film substrate (5) (Col. 4, lines 50+ and Col. 5, lines 20+).

It would have been obvious to one of ordinary skill in the art at the time the invention was made modify Aoyama et al.'s apparatus by adding the surface supporting section, as taught by Imanishi et al. The purpose of doing so would help to keep the film substrate stable for transferring the IC chip on the film substrate.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Luan Thai whose telephone number is 571-272-1935. The examiner can normally be reached on 8:00 AM - 4:30 PM, Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bradley W. Baumeister can be reached on 571-272-1722. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**/Luan Thai/
Primary Examiner, Art Unit 2891**

Luan Thai

Primary Examiner

Art Unit 2891

May 16, 2008